

FIG. 1



$\frac{MW}{KD}$

— 220

— 97

— 66

— 64

— 80

— 21 5

— 14 3

FIG._3

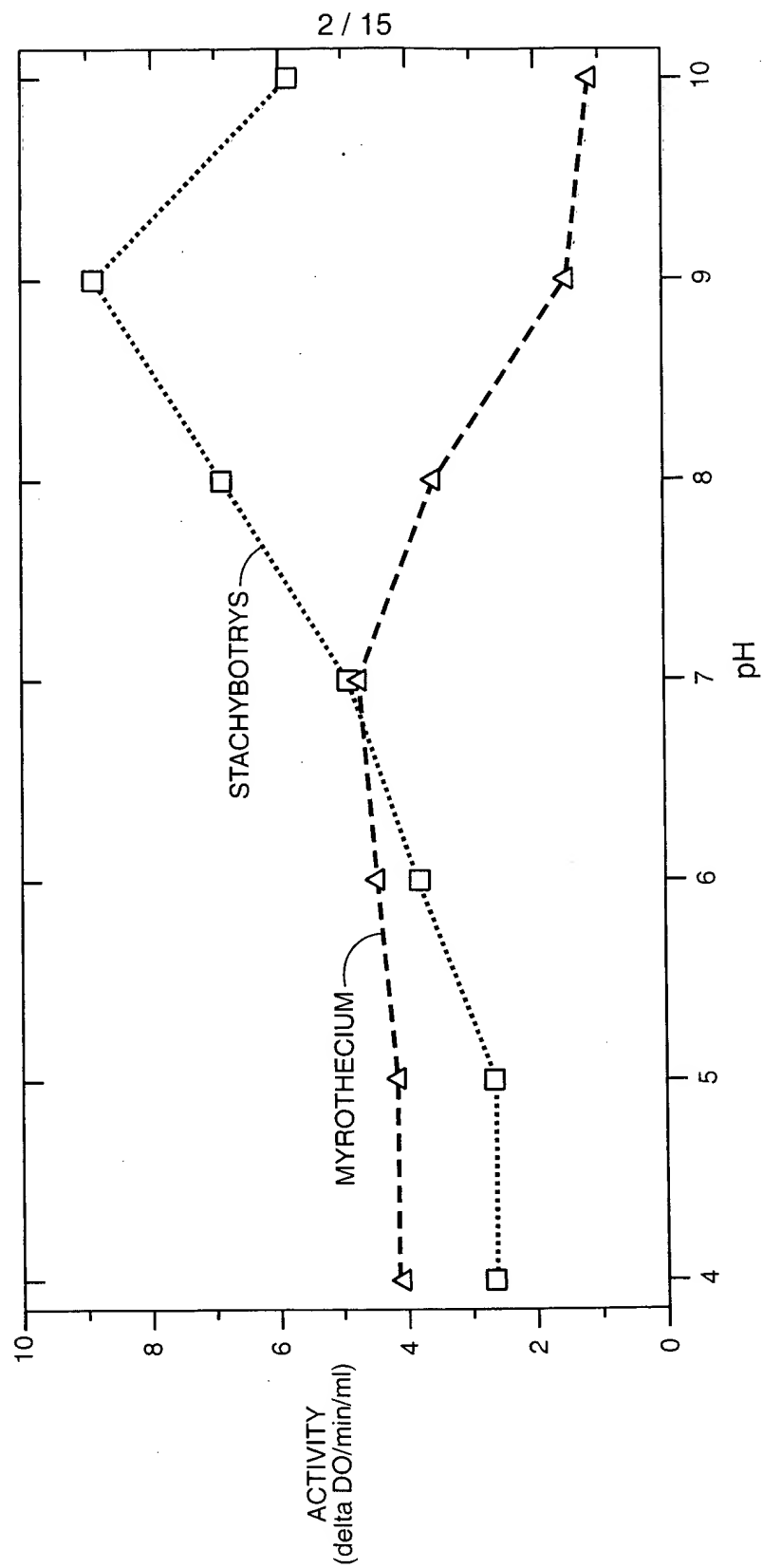


FIG..2

	10	20	30	40	50	60	70
bilirubin/oxydase	MFKHTLGAALSLLFNSNAVQASPVPE	TSPATGHLFKRVAQISPOYPMTVELP	IPVPYQPRLTVPVN	70			
mpf-A(part).p	A-----KGFWTGAKVQARVMPE	-----HMYGPLIQARKGTPTRLKFVNLLPGGRAETTVGADGK		55			
St. ch.	-----	-----	-----	-----	-----	-----	1

	80	90	100	110	120	130	140	
bilirubin/oxidation	GQEIWYVEIKPFTTHQV	-YPDLSADLVGYDGMSPGPTFQ	---	VPRGVETV	---	VRFINNAEAPNSVH		132
mpf-A(part).p	VQVTARNGDIFLPLDKSIAHAGLGPDGFTEFTQNRSNIIHLHGDDTPWISDGTPHQWLTPIEEANAANKA							125
st. ch.	-----							1

bilirubin oxidase
mpf-A(part).p

-----SFRAAFDGAEDITEPGS-FKDYYPNQRSARTLWYDHAMHITAENAYRQAGLYM
LVNQIDPEFLPSFLRGASAQNVPDMPDPGAGASTYYFFNGQSARMLWYHDHTIGVTRLNVYAGMAAVYT
-----DYFFPNYQSARLLXHYDHA

St. ch.

150 160 170 180 190 200 210

192
195
19

biliru/oxidas
mpf-A (part).p
st. ch.

	220	230	240	250	260	270	280
	LTDPAEDALNLP	SGYGEFD-----	IPMILT	SKQYTANG	NLVTTNGELN	SWG-----	DVI
	LGDEVDDQLTG	KTGGALNKVL	PPAEDTIPLV	TRTFVPAD	VALQDARWNT	SAWGESSWF	PHVYETV
							19

bilitru/oxidas
mpf-A(part).p
St. ch.

XXXXXQXXFX	290	300	310	320	330	340	350
XXXXXXXXXXXXFXXXXXXXXXXGYYXXXTXXXXXXXXXXXXXXXXLXXXXXXXXXX							
HVNGQPWFKNVEPRKYRFRF--LDAAVSRSFGLYFADTDAIDTRLRPFKVIAS---DSGLLEHPADTSL							3066
QDPNQMGNGFSVGRWHWGPFWPFPAMYDLPSGEYGDTVTPEANMDTPLVNGVAYPPTIELDPKVYRMK							3355
							19

FIG. 4A

	360	370	380	390	400	410	420	
LYISMAERYEVVDFSDYAGKTIELNGLSGIGIGTIDYDNT--- <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>373</td>								373
VLNASNDRRFFNISLFVADEAQRINDPLLGATEVKMVDAAVSATPCAAGTVRAVAVTDGSYCTPETWPTD								405 19

LRDVPFPSPPTNTPRQFRFGRTGPTWT-INGVAFADVQNRL-LANVPVGTVVERWELINAGNGWTHPIIH 441
NRFGGVPSPAAQGSFFQIANEGGLLPKVAEIAFTPVGYQLDKGRITVLNVLTTGLYLIGNAERAD-VLVD 474
19

	500	510	520	530	540	550	560	
LVDFK----	VISRTSGNNARVMPYESGLDKVVVLGRRET	VVEAH---	YAPFPGVTMFHCHNLIHEDHD				504	
LSAYAGKTLIVNDSGAPVAGDPNRDNYFTAVG--	DQSDAGGAEDTKPGYGPNTRITMM---	-QIKVRAAI					538	
	RGVOVPYESAGLK						19	

570 580 590 600 610 620 630
 NMAAFNATVLPDYGYNATVDPMEELWQARPYELGEFAQSGQ--FSVQAVTERIQTMAEYRPFYAAADE 5722
 TTPSFDGQIRDARQRGDSTALKA--EI--PKAYAI AQEKPVGQDVYNQALGTTWGAT----PSLNGNPG 600
 19

FIG. 4B

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GTCAATATGCTGTTCAAGTCATGGCAACTGGCAGCAGCCTCCGGGCTCCTGTGTGGAGTCCCTGGCATCCCGATGGACACCGGCAGCCAC 90
 M L F K S W Q L A A A S G L L S G V L G I P M D T G S H 28
 CCCATTGAGGCTGTTGATCCCGAAGTGAAGACTGAGGTCTTCGGTGACTCCCTCCTTGTGCTGCAGCAGGCGATGACGACTGGGAGTCACCT 180
 P I E A V D P E V K T E V F A D S L L A A A G D D D W E S P 58
 CCATACAACTTGCTTACAGGAATGCCCTGCCAATTCACCTGTCAAGCAGCCCAAGATGATCATTAACAACCTGTTCACCGGCAAGGAC 270
 P Y N L L Y R N A L P I P P V K Q P K M I I T N P V T G K D 88
 ATTTGGTACTATGAGATCGAGATCAAGCCATTTCAGCAAGGATTACCCACCTTGCGCCCTGCCACTCTCGTCGGCTACGATGGCATG 360
 I W Y Y E I E I K P F Q Q R I Y P T L R P A T L V G Y D G M 118
 AGCCCTGGTCCCTACTTTCAATGTTCCAGAGAAACAGAGACTGTAGTTAGTTTCATCAACAATGCCACCGTGGAGAACTCTGGTCCCATCTG 450
 S P G P T F N V P R G T E T V V R F I N N A T V E N S V H L 148
 CACGGCTCCCCATCGGTGCCCCCTTTTCGATGGTGGCTGAAGATGTGACCTTCCCTGGCGAGTACAAGGATTACTACTTTCCCAACTAC 540
 H G S P S R A P F D G W A E D V T F P G E Y K D Y Y F P N Y 178
 CAATCCGCGCCGCTTCTGTGGTACCATGACACGCTTTCATGAAGACTGTGAGAATGCCCTACTTTGGTCAGGCTGGCGCCTACATTATC 630
 Q S A R L L W Y H D H A F M K T A E N A Y F G Q A G A Y I I 208
 AACGACGAGGCTGAGGATGCTCTCGGTCTTCTTAGTGGCTATGGCGAGTTTCGATATCCCTCTGATCCTGACGGCCAGTACTATAACGCC 720
 N D E A E D A L G L P S G Y G E F D I P L I L T A K Y Y N A 238
 GATGGTACCCCTGCGTTCGACCGAGGTGAGGACCAGGACCTGTGGGGAGATGTATCCATGTCAACGGACAGCCATGGCCTTTCCCTTAAC 810
 D G T L R S T E G E D Q D L W G D V I H V N G Q P W P F L N 268
 GTCCAGCCCGCAAGTACCGTTTCCGATTCTCCTCAACGCTGCCGTGTCTCGTGTGGCTCCCTCTACCTCGTCAGGACCCAGCTCTCCCAAC 900
 V Q P R K Y R F R F L N A A V S R A W L L Y L V R T S S P N 298
 GTCAGAAATTCCTTTCCAAGTCAATTGCCCTCTGATGCTGGTCTCCTTCAAGCCCCCGTTTCAGACCTCTAACCTCTACCTTGTGTGTCGCGAG 990
 V R I P F Q V I A S D A G L L Q A P V Q T S N L Y L A V A E 328
 CGTTACGAGATCATTTGACTTCAACCACTTTGCTGGCCAGACTCTTGACCTGCGCAACGTTGCTGTGAGACCAACGATGTTCGGCGGACGAG 1080
 R Y E I I I D F T N F A G Q T L D L R N V A E T N D V G D E 358

FIG._5A

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GATGAGTACGCTCGCACTCTCGAGGTGATGCGCTTCGTGCTCAGCTCTGGCACTGTGTGAGGACAACAGCCAGGTCCCCTCCACTCTCCGT 1170
D E Y A R T L E V M R F V V S S G T V E D N S Q V P S T L R 388
GACGTTCCCTTCCCTCACAAGGAAGGCCCCCGACAGCACTTCAAGTTTGAACGCAACGACACTACCTGATCAACGATGTT 1260
D V P F P P H K E G P A D K H F K F E R S N G H Y L I N D V 418
GGCTTTGGCGATGTCAATGAGCGGTGTCCTGGCCAAAGCCCGAGCTCGGCACCCGTTGAGGTCTGGGAGCTCGAGAACTCCTCTGGAGGCTGG 1350
G F A D V N E R V L A K P E L G T V E V W E L E N S S G G W 448
AGCCACCCCGTCCACATTCACTTGTGACTTCAAGATCCTCAAGCGAACTGGTGGTGGTGGCCAGGTTCATGCCCTACGAGTCTGCTGGT 1440
S H P V H I H L V D F K I L K R T G G R G Q V M P Y E S A G 478
CTTAAGGATGTCGTCTGGTTGGCAGGGGTGAGACCTTGACCCATCGAGGCCCACTACCAACCCCTGGACTGGAGCTTACATGTGGCACTGT 1530
L K D V V V W L G R G E T L T I E A H Y Q P W T G A Y M W H C 508
CACAACTCATTCACGAGGATAACGACATGATGGCTGTATTCAACGTCAACCGCCATCGAGGCCCACTACCAACCCCTGGAGGATATCTTCAGGAGGACTTCGAG 1620
H N L I H E D N D M M A V F N V T A M E E K G Y L Q E D F E 538
GACCCCATGAACCCCAAGTGGCGCGCGTTCTTACAACCGCAACGACTTCCATGCTCGCGTGGAAACTTCTCCGCCGAGTCCATCACT 1710
D P M N P K W R A V P Y N R N D F H A R A G N F S A E S I T 568
GCCCCGAGTGCAGGAGCTGGCCGAGCAGGAGCCGTACAACCGCTCGATGAGATCCTGGAGGATCTTGGAAATCGAGGAGTAA 1791
A R V Q E L A E Q E P Y N R L D E I L E D L G I E E 594

FIG._5B

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CTGGCTAGCC TCACTTGGTA GACAGCCCTG ACAGCCTCAC TGGCTGGGG TCGAAAGGCC AGTCAATATC TTGGTCACTG 80
 CTAATAGTTC CTTGCTACGC GCAAAAAGCT CCTTGCCGAA GGGGCACAGA CTATCAAGTG AGACATATAG GATGCATGTC 160
 TTTTCATAGCC ACAGTTAGGG TGGTGACCTA CTCGAAGAGG CCCCAGACTG CATGCATACG ACATGTCGCT TCCATGCAAC 240
 ATGTATGCGC ACATCGGCGA TCAGGCACCC TCTGCATGCA GAATAGAACC CCCCTGGTTT CTTTTCCTTT CTTTTCCTTT 320
 CTCAACGACG CGTGAGCGTG GTTAACTTGA GCAAGGCCGA GTGGTCTGTT CACGAGGTTA CCATCGAACT CTCCTCTTTC 400
 CCAATCATGA CCTGCCCCCC GAGTTTAGCC CCCATCACGG CTGTGAAATC CACTTCGATA ATCCTAGCCT AGTGCTACTC 480
 TTCAATAGTT GTCCTGTATG GGGCACTTIG GTCACATTGC CTTGGTTYCT CCTACCTCGT TCTCTTCCGC ATCAAGCCTC 560
 TATGCCCCGAC GACAACACCT CATTGGCCCC GACCACCTTG AGCGCGCAG CACCTTCGCG CCGAAGGAGT TGATAACACC 640
 CTTTCAACCCTT GCCCAATGAT GGAGTTTGG TCTATTTGTC ATGATCACCT CACATTCACT AGATCACGGA TCCTGGAAGA 720
 GGGTGTGGAA GCCAGACCAG CTTGTCCCTG TTCTTGCAGA CTCAGGTCAG CTCCTAGCGG CTATCACAGC TCAGGATTAT 800
 CAAGTCCCGT AAAGTCCAGA CCTTTTTCAT TGTATGATGC TGCCTAATTT GCGCTATCTC TATGCCGTAG CAGCCGTCTT 880
 GGCTACAACT GGCTGCCCATG GCTGAAGCAT CGTGAGATCT ATAAAGGTCT CCGAATCCTC GGTGAAGTCA GAATCGTCTC 960
 TCCACACACAG TCAACAACAA GCTTCTTTCT CTTACAGCTT AGCCTGAGCA CATTACACAGA ACTCTTCCCT TCCTTTTCGTC 1040
 AATATGCTGT TCAAGTCATG GCAACTGGCA GCAGCCTCCG GGCTCCTGTC TGGAGTCCCTC GGCATCCCGA TGGACACCCG 1120
 CAGCCACCCC ATTGAGGCTG TTGATCCCGA AGTGAAGACT GAGGTCTTCG CTGACTCCCT CTGAGGCGATG GCAGGCGATG 1200
 ACGACTGGGA GTCACCTCCA TACAACCTGC TTTACAGGTG AGACACCTGT CCCACCTGTT TTCCCTCGAT AACTAACTCT 1280
 TATAGGAATG CCCTGCCAAT TCCACCTGTC AAGCAGCCCA AGATGTATGT CTTTGATTTT CTACGAAGCA ACTCGGCCCC 1360
 GACTAATGTA TTCTAGGATC ATTACCAACC CTGTCAACCG CAAGGACATT TGGTACTATG AGATCGAGAT CAAGCCATTT 1440
 CAGCAAAGGG TGAGTTTGCT CAGAAACCTT GTGGTAATTA ATCATTTGTA CTGACCCTTT CAGATTTACC CCACCTTGCG 1520

FIG. 6A

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CCTGCCACT CTCGTCGGCT ACGATGGCAT GAGCCCTGGT CCTACTTTCA ATGTTCCCAG AGGAACAGAG ACTGTAGTTA 1600
 GGTTCATCAA CAATGCCACC GTGGAGAACT CGGTCCATCT GCACGGCTCC CCATCGCGTG CCCCTTTCTGA TGGTTGGGCT 1680
 GAAGATGTGA CCTTCCCTGG CGAGTACAAG GATTACTACT TTCCCAACTA CCAATCCGCC CGCCTTCTGT GGTACCATGA 1760
 CCACGCTTTC ATGAAGGTAT GCTACGAGCC TTTATCTTTC TTGGCTACCT TTGGCTAACC AACTTCCTTT CGTAGACTGC 1840
 TGAGAATGCC TACTTTGGTC AGGCTGGCGC CTACATTATC AACGACGAGG CTGAGGATGC TCTCGGTCTT CCTAGTGGCT 1920
 ATGGCGAGTT CGATATCCCT CTGATCCTGA CGGCCAAGTA CTATAACGCC GATGGTACCC TGCGTTCGAC CGAGGGTGAG 2000
 GACCAGGACC TGTGGGAGA TGTCAATCCAT GTCAAACGGAC AGCCATGGCC TTTCCCTTAAC GTCCAGCCCC GCAAGTACCG 2080
 TTTCCGATTC CTCAACGCTG CCGTGTCTCG TGCTTGGCTC TCCTTCAAGC CCCCCTCAG ACCTCTAACC TCTACCTTGC TGTTCGCCGAG 2160
 CTTTCCAAGT CATTGCCCTCT GATGCTGGTC TCCTTCAAGC CCCCCTCAG ACCTCTAACC TCTACCTTGC TGTTCGCCGAG 2240
 CGTTACGAGA TCATTATTGG TATGCCCTCC CCTCTCAGCA ATGAGTCAAG AACTCTAAGA CTAACACTTG TAGACTTCAC 2320
 CAACTTTGCT GGCCAGACTC TTGACCTGGG CAACGTTGCT GAGACCAACG ATGTCGGCGA CGAGGATGAG TACGCTCGCA 2400
 CTCTCGAGGT GATGCGCTTC GTCGTCAGCT CTGGCACTGT TGAGGACAAC AGCCAGGTCC CCTCCACTCT CCGTGACGTT 2480
 CCTTTCCCTC CTCACAAGGA AGGCCCCGCC GACAAGCACT TCAAGTTTGA ACGCAGCAAC GGACACTACC TGATCAACGA 2560
 TGTGGGCTTT GCCGATGTCA ATGAGCGTGT CCTGGCCAAAG CCCGAGCTCG GCACCGTTGA GGTCTGGGAG CTCGAGAACT 2640
 CCTCTGGAGG CTGGAGCCAC CCCGTCCACA TTCACCTTGT TGACTTCAAG ATCCTCAAGC GAACGTGGTG TCGTGGCCAG 2720
 GTCATGCCCT ACGAGTCTGC TGGTCTTAAG GATGCTGTCT GGTGGGCAG GGGTGAGACC CTGACCATCG AGGCCCCACTA 2800
 CCAACCCCTGG ACTGGAGCTT ACATGTGGCA CTGTCAACAAC CTCATTACG AGGATAACGA CATGATGGCT GTATTCAACG 2880
 TCACCGCCAT GGAGGAGAAG GGATATCTTC AGGAGGACTT CGAGGACCCC ATGAACCCCA AGTGGCGCGC CGTTCCCTTAC 2960
 AACCACAACG ACTTCCATGC TCGCGCTGGA AACTTCTCCG CCGAGTCCAT CACTGCCCGA GTGAGGAGC TGGCCGAGCA 3040

FIG. 6B

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GGAGCCGTAC AACCGCCTCG ATGAGATCCT GGAGGATCTT GGAATCGAGG AGTAAACCCC GAGCCACAAG CTCTACAATC 3120
GTTTTGAGTC TTAAGACGAG GCTCTTTGGTG CGTATTCTTT TCCTCCCTAC GGGGAACCTCC GCTGTCCACT GCGATGTGAA 3200
GGACCATCAC AAAGCAACGT ATATATTGGA CTCACCACTG TCATTACCGC CCACTTGTAC CTATTGATT CTTGTTCAAA 3280
CTTTTCTAGT GCGAGAGTGT CCATAGTCAA GAAACGCCCA TAGGGCTATC GTCTAAACTG AACTATTGTG TGGTCTGTGA 3360
CGTGGAGTAG ATGTCAATTG TGATGAGACA CAGTAAATAC GGTATATCTT TTCCTAGGAC TACAGGATCA GTTCTCATG 3440
AGATTACATC CGTCTAATGT TTGTCCAATG GAGTYWAGCT AAGGTTGAGA ATGCATCAGA CGGAATCATT TGATGCTCTC 3520
AGCTCGTATT ACCGATGTAA GACAAGTTAG GTAAGTTGCT TGGTATCCGA AAATGACTCA GGCTCCCTCA TTAGGTTGCA 3600
TGTGAAAACC TTCAGCAACT CATGGGTGTT GGGACCAAT CATCCATACC TGATTTTGAT AACTGACCCTG GGTCAT 3677

FIG._6C

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1 .....MFKHTLGAAALSLLFNSNAVQA.SVPETSPATGHLFKRV 39
1 MLFKSWQLAAASGLLSGVLGIPMDTGSHPIEAVDPEVKTEVFADSLAAA 50
40 AQISPQYPMFTV....PLPIPPVKQPRRLTVTNPVNGQEIWYYEVEIKPFT 85
51 GDDDWESPPYNLLYRNALPIPPVKQPKMIITNPVTGKDIWYYEIEIKPFQ 100
86 HQVYFDLGSADLVGYDGMSPGPTFQVPRGVETTVVRFINNAEAPNSVHLHG 135
101 QRIYPTLRPATLVGYDGMSPGPTFNVPRGTETTVVRFINNATVENSVHLHG 150
136 SFSRAAFDQWAEDITEPGSFKDYYPNRSARTLWYHDHAMHITAENAYR 185
151 SPSRAAFDQWAEDVTFPGYKDYFPNYQSARLLWYHDHAFMKTAENAYF 200
186 GQAGLYMLTDPADALNLP SGYGEFDIPMILTSKQYTANGNLVTTNGELN 235
201 GQAGAYIINDEADALGLPSGYGEFDIPLILTAKYYNADGTLRSTEGEDQ 250
236 SFWGDVIHVNGQPWPFFKNVEPRKYRFRFLDAAVSRSFGLYFADTD AIDTR 285
251 DLWGDVIHVNGQPWPFFLNQPRKYRFRFLNAAVSRALLYLVRTSSPNVR 300
286 LPFKVIASDSGLLEHPADTSLLYISMAERYEVVDFSDYAGKTIELRNLG 335
301 IPFQVIASDAGLLQAPVQTSNLYLAVAERYEIIIDFTNFAGQTLDLRNV. 349
336 GSIGGIGTDDYDNTDKVMRFV VADDTTQPDTSVVPANLRDVFPSPPTN 385
350 AETNDVGDEDEYARTLEV MRFFVSSGTVE.DNSQVPSTLRDVFPFPHKEG 398
386 .TPRQFRFGRTGPTWTINGVAFADVQNRLLANVPVGTVERWELINAGNGW 434
399 PADKHFKFERSNGHYLINDVGFADVNERVLAKPELGTVEVWELENSSGGW 448
435 THPIHHLVDFKVISRTSGNNARTVMPPYES.GLKDVVWLGRRET VVVEAH 483
449 SHPVHHLVDFKILKRTGGRG..QVMPYESAGLKDVVWLGRGETLTIEAH 496
484 YAPFPGVYMFHCHNLIHEDHDMMAAFNATVLPDYGYNATVFVDPMEELWQ 533
497 YQPWTGAYMWHCHNLIHEDNDMMAVFNVTAMEEKGYLQEDFEDPMNPKWR 546
534 ARPYELGEFQAQSGQFSVQAVTERIQTMAEYR PYAAADE..... 572
547 AVPYNRNDFHARAGNFSAESITARVQELAEQEPYNRLDEILEDLGIEE 594

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FIG. 7

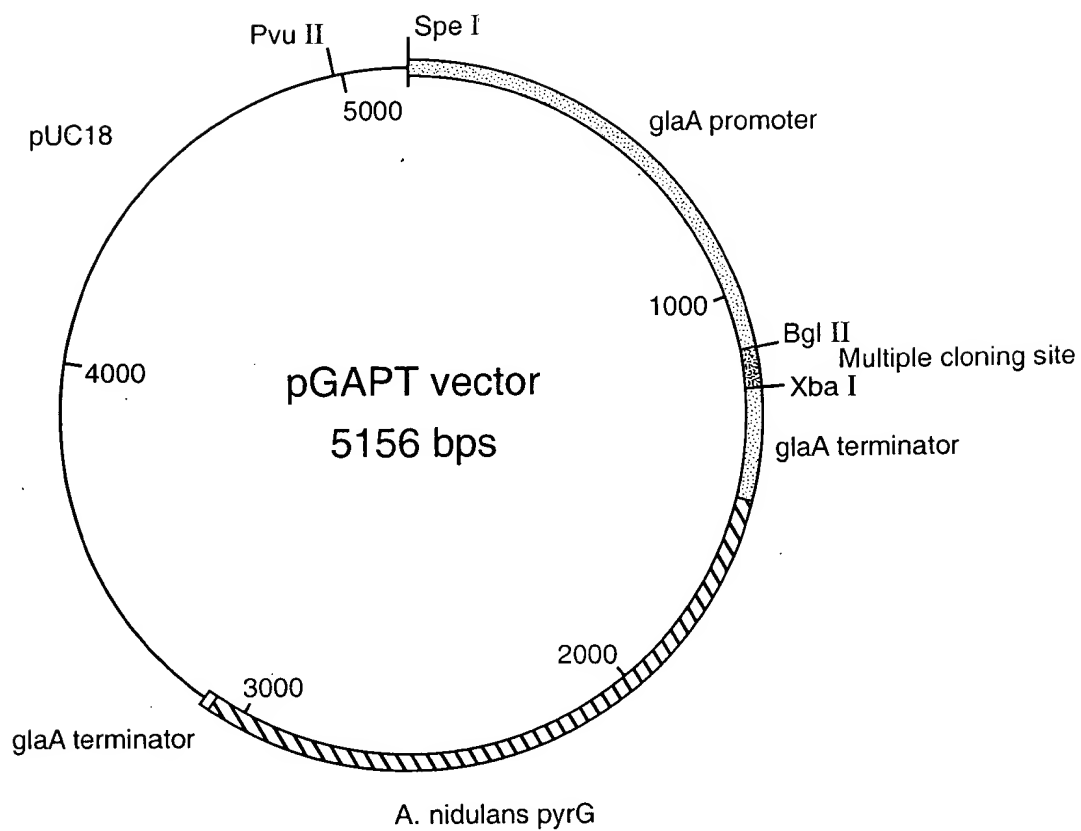


FIG._8

AGATCTAATA TGCTGTTCAA GTCATGGCAA CTGGCAGCAG CCTCCGGGCT CCTGTCTGGA 60
 GTCCTCGGCA TCCCGATGGA CACCGGCAGC CACCCCATTG AGGCTGTTGA TCCCGAAGTG 120
 AAGACTGAGG TCTTCGCTGA CTCCCTCCTT GCTGCAGCAG GCGATGACGA CTGGGAGTCA 180
 CCTCCATACA ACTTGCTTTA CAGGTGAGAC ACCTGTCCCA CCTGTTTTCC CTCGATAACT 240
 AACTCTTATA GGAATGCCCT GCCAATTCCA CCTGTCAAGC AGCCCAAGAT GTATGTCTTT 300
 GATTTCCTAC GAAGCAACTC GGCCCCGACT AATGTATTCT AGGATCATTA CCAACCCCTGT 360
 CACCGGCAAG GACATTGGT ACTATGAGAT CGAGATCAAG CCATTTCAGC AAAGGGTGAG 420
 TTTGCTCAGA AACCTTGTGG TAATTAATCA TTGTTACTGA CCCTTTCAGA TTTACCCCCAC 480
 CTTGGCGCCCT GCCACTCTCG TCGGCTACGA TGGCATGAGC CCTGGTCCTA CTTTCAATGT 540
 TCCCAGAGGA ACAGAGACTG TAGTTAGGTT CATCAACAAT GCCACCGTGG AGAACTCGGT 600
 CCATCTGCAC GGCTCCCCAT CGCGTGCCCC TTTCGATGGT TGGGCTGAAG ATGTGACCTT 660
 CCCTGGCGAG TACAAGGATT ACTACTTTCC CAACTACCAA TCCGCCCGCC TTCTGTGGTA 720
 CCATGACCAC GCTTTCATGA AGGTATGCTA CGAGCCCTTTA TCTTTCTTGG CTACCTTTGG 780
 CTAACCAACT TCCTTTCGTA GACTGCTGAG AATGCCTACT TTGGTCAGGC TGGCGCCTAC 840
 ATTATCAACG ACGAGGCTGA GGATGCTCTC GGTCCTTCTA GTGGCTATGG CGAGTTCGAT 900
 ATCCCTCTGA TCCTGACGGC CAAGTACTAT AACGCCGATG GTACCCCTGG TTCGACCGAG 960
 GGTGAGGACC AGGACCTGTG GGGAGATGTC ATCCATGTCA ACGGACAGCC ATGGCCTTTC 1020
 CTTAACGTCC AGCCCCGCAA GTACCGTTTC CGATTCTCTA ACGTGCCGT GTCTCGTGCT 1080

FIG. 9A

TGGCTCCTCT ACCTCGTCAG GACCAGCTCT CCCAACGTCGA GAATTCCTTT CCAAGTCATT 1140
 GCCTCTGATG CTGGTCTCCT TCAAGCCCC GTTCAGACCT CTAACCTCTA CCTTGCTGTT 1200
 GCGGAGCGTT ACGAGATCAT TATTGGTATG CCTTCCCCTC TCACGAATGA GTCAAGAAT 1260
 CTAAGACTAA CACTTGTAGA CTTCAACCAAC TTTGCTGGCC AGACTCTTGA CCTGCGCAAC 1320
 GTTGCTGAGA CCAACGATGT CGGCGACGAG GATGAGTACG CTCGCACTCT CGAGGTGATG 1380
 CGCTTCGTCG TCAGCTCTGG CACTGTTGAG GACAACAGCC AGGTCCCCTC CACTCTCCGT 1440
 GACGTTCTTT TCCCTCCTCA CAAGGAAGGC CCCGCCGACA AGCACTTCAA GTTTGAACGC 1500
 AGCAACGGAC ACTACCTGAT CAACGATGTT GGCTTTGCCG ATGTCAATGA GCGTGTCCCTG 1560
 GCCAAGCCCC AGCTCGGCAC CGTTGAGGTC TGGGAGCTCG AGAACTCCTC TGGAGGCTGG 1620
 AGCCACCCCG TCCACATTCA CCTTGTTGAC TTCAAGATCC TCAAGCGAAC TGGTGGTCTGT 1680
 GGCCAGGTCA TGCCCTACGA GTCTGCTGGT CTTAAGGATG TCGTCTGTT GGGCAGGGGT 1740
 GAGACCCCTGA CCATCGAGGC CCACTACCAA CCTGGACTG GAGCTTACAT GTGGCACTGT 1800
 CACAACCTCA TTCACGAGGA TAACGACATG ATGGCTGTAT TCAACGTCAC CGCCATGGAG 1860
 GAGAAGGGAT ATCTTCAGGA GGACTTCGAG GACCCCATGA ACCCCAAGTG GCGCGCCGTT 1920
 CCTTACAACC GCAACGACTT CCATGCTCGC GCTGGAAACT TCTCCGCCGA GTCCATCACT 1980
 GCCCGAGTGC AGGAGCTGGC CGAGCAGGAG CCGTACAACC GCCTCGATGA GATCCTGGAG 2040
 GATCTTGGAA TCGAGGAGTA GTCTAGA 2067

FIG._9B

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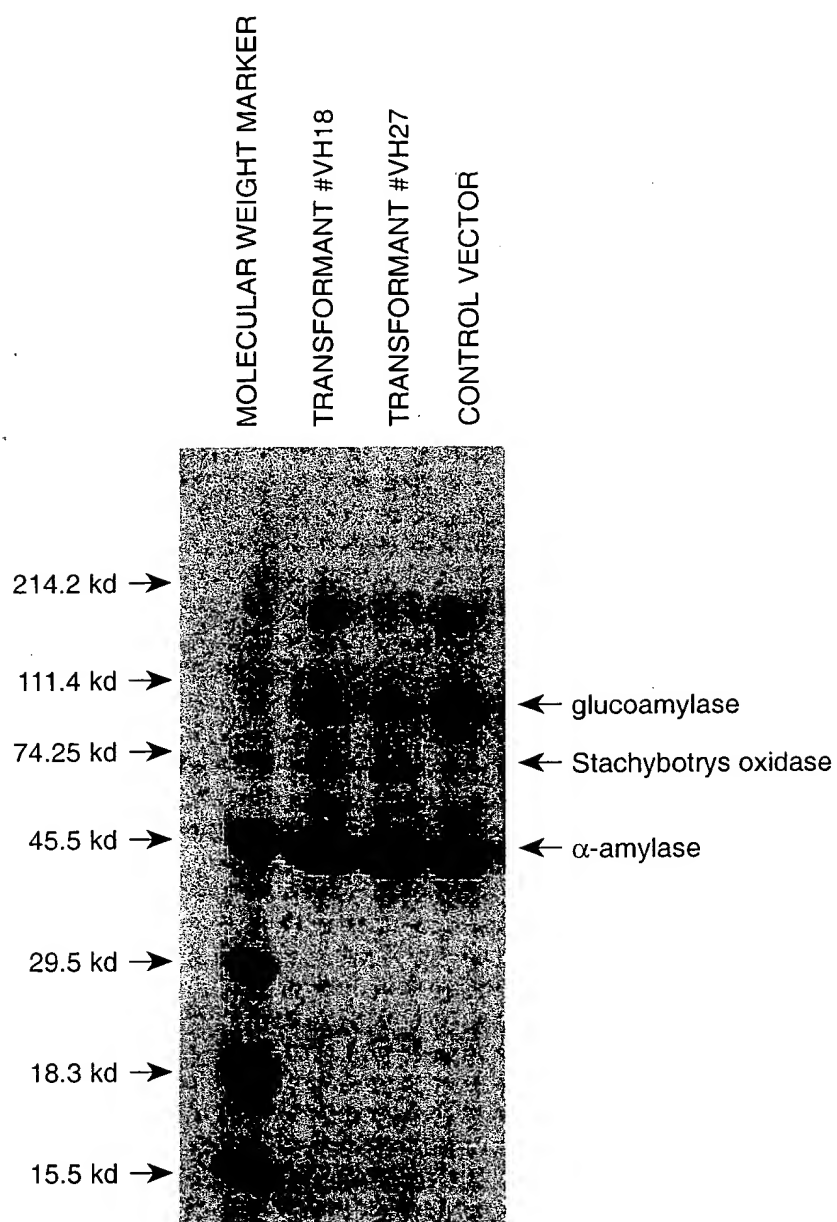


FIG._10

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